

# Naming Compounds and Formulas

**Goal** • Practise naming compounds and writing chemical formulas.

## What to Do

Answer each question in the space provided.

1. Name the following chemicals.

(a)  $\text{CaCl}_2$  calcium chloride

(b)  $\text{NaI}$  sodium iodide

(c)  $\text{MgI}_2$  magnesium iodide

(d)  $\text{MgO}$  magnesium oxide

(e)  $\text{BeO}$  beryllium oxide

(f)  $\text{Li}_2\text{S}$  lithium sulfide

2. Write the chemical formula for each compound below.

(a) potassium fluoride KF

(b) dihydrogen oxide  $\text{H}_2\text{O}$

(c) calcium carbonate  $\text{CaCO}_3$

(d) silver nitrite  $\text{AgNO}_2$

(e) carbon dioxide  $\text{CO}_2$

(f) barium oxide  $\text{BaO}$

3. Write the chemical formula for each compound.

(a) lead(II) oxide  $\text{PbO}$

(b) copper(II) chloride  $\text{CuCl}_2$

(c) iron(III) oxide  $\text{Fe}_2\text{O}_3$

(d) nickel(II) fluoride  $\text{NiF}_2$

(e) manganese(IV) sulfide  $\text{MnS}_2$

(f) iron(II) fluoride  $\text{FeF}_2$

(g) chromium(IV) bromide  $\text{CrBr}_4$

4. Write the Stock system name for each compound.

(a)  $\text{MnO}_2$  manganese(IV) oxide

(b)  $\text{NiBr}_2$  nickel(II) bromide